AUTHOR INDEX

Adnot, A., see Mahay, A. 55 Anderson, R.A., see Stencel, J.R. 129 Arai, H., see Wang, L. 107 Baan, H.S. van der, see Smits, P.C.C. 83 Barrault, J. --, Boulinguiez, M., Forquy, C. and Maurel, R. Synthesis of methyl mercaptan from carbon oxides and H2S with tungsten-alumina catalysts 309 Bekkum, H. van, see Van Dam, H.E. 361 Bekkum, H. van, see Van Dam, H.E. Biswas, J. --, Do, D.D., Greenfield, P.F. and Smith, J.M. Evaluation of reforming catalyst diffusion properties using a batch adsorber 31 Blanco, M.N. --, Caceres, C.V., Fierro, J.L.G. and Thomas, H.J. Influence of the operative conditions on the preparation of pelleted Mo/Al₂0₃ catalysts 231 Bond, G.C. -- and Flamerz, S. Structure and reactivity of titania-supported oxides. Part 3: Reaction of isopropanol over vanadia-titania catalysts 219 Boulinguiez, M., see Barrault, J. 309 Bridgewater, A.J., see Tomsett, A.D. 119 Burch, R. -- and Warburton, C.I. Pillared clays as demetallisation catalysts 395 Caceres, C.V., see Blanco, M.N. 231 Centi, G. --, Pesheva, D. and Trifiro, F. Functionalization of alkanes by heterogeneous vapour-phase oxidation. II. Propane ammoxidation 343 Chang, J.-R. --, Sheu, F.-C., Cheng, Y.-M. and Wu, J.-C. Kinetics and optimization of the

toluene disproportionation reaction over solid acid

catalysts 39

Cheng, W.-C. and Pereira, C.J. Preparation of cobalt-molybdenum hydrotreating catalysts using hydrogen peroxide stabilization 331 Cheng, Y.-M., see Chang, J.-R. 39 Contescu, Cr. -- and Vass, M.I. The effect of pH on the adsorption of palladium (II) complexes on alumina 259 Curry-Hyde, H.E., see Tomsett, A.D. 119 Dam, H.E. van, see Van Dam, H.E. 361 Dam, H.E. van, see Van Dam, H.E. 373 Diehl, J.R., see Stencel, J.M. 129 Do, D.D., see Biswas, J. 31 Duijverman, P., see Van Dam, H.E. Eguchi, K., see Wang, L. 107 Eliyas, A. --, Petrov, L., Vladov, Ch. and Shopov, D. Kinetics of isomerization of butenes over an industrial CoO-MoO₃/Al₂O₃ catalyst. II: Kinetic model construction 295 Fierro, J.L.G., see Blanco, M.N. 231 Flamerz, S., see Bond, G.C. 219 Forquy, C., see Barrault, J. 309 Furimsky, E. --, Houle, J. and Yoshimura, Y. Use of Boudouard reaction for regeneration of hydrotreating catalysts 97 Gasior, M. --, Haber, J. and Machej, T. Evolution of V205-TiO2 catalysts in the course of the catalytic reaction Greenfield, P.F., see Biswas, J. 31 Grondelle, J. van, see Kip, B.J. 157 Grondelle, J. van, see Kip, B.J. 181 Haber, J., see Gasior, M. Hagiwara, H., see Sano, T. Hawkes, C.M., see Owen, G. 405 Houle, J., see Furimsky, E. Ikai, S., see Sano, T. 209 Jaeger, N.I., see Schulz-Ekloff, G. Jennings, J.R., see Owen, G.

Kaliaguine, S., see Mahay, A. 55 Kawamura, K., see Sano, T. 209 Kieboom, A.P.G., see Van Dam, H.E. 361

Kieboom, A.P.G., see Van Dam, H.E. 373

Kim, J.J.

-- and Weller, S.W.
Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Kip, B.J.

--, Smeets, P.A.T., Van Wolput, J.H.M.C., Zandbergen, H.W., Van Grondelle, J. and Prins, R. Preparation and characterization of vanadium oxide promoted rhodium catalysts 157

Kip, B.J.

--, Smeets, P.A.T., Van Grondelle, J. and Prins, R. Hydrogenation of carbon monoxide over vanadium oxide-promoted rhodium catalysts 181

Kuster, B.F.M., see Smits, P.C.C.

Lambert, R.M., see Owen, G. 405 Lemay, G., see Mahay, A. 55 Lloyd, D., see Owen, G. 405 Machej, T., see Gasior, M. 1 Mahay, A.

--, Simard, F., Lemay, G., Adnot, A., Kaliaguine, S. and Monnier, J.

Deoxygenation of methanol with carbon monoxide over
ZSM-5-supported Fe, Ru, Pd and Rh catalysts 55

Mallat, T.

--, Petro, J., Mendioroz, S. and Pajares, J.A.
Reduction of propionitrile to propional dehyde on supported palladium catalysts. 245

Maurel, R., see Barrault, J. 309
Mendioroz, S., see Mallat, T. 245
Miller, S.R., see Stencel, J.R. 129
Monnier, J., see Mahay, A. 55
Murakami, T., see Sano, T. 209
Nilsson, P.

-- and J.-E. Otterstedt
Effect of composition of the
feedstock on the catalytic
cracking of heavy vacuum gas oil
145

Nix, R.M., see Owen, G. 405 Okado, H., see Sano, T. 209 Otterstedt, J.-E., see Nilsson, P. 145

Owen, G.

--, Hawkes, C.M., Lloyd, D., Jennings, J.R., Lambert, R.M. and Nix, R.M.
Methanol synthesis catalysts
from intermetallic precursors:
binary lanthanide copper
catalysts 405

Pajares, J.A., see Mallat, T. 245 Pennline, H.W., see Stencel, J.M. 129

Pereira, C.J., see Cheng, W.-C. 331
Pesheva, D., see Centi, G. 343
Petro, J., see Mallat, T. 245
Petrov, L., see Eliyas, A. 295
Petrov, L., see Schulz-Ekloff, G. 73

Prins, R., see Kip, B.J. 157 Prins, R., see Kip, B.J. 181 Sano, T.

--, Murakami, T., Suzuki, K., Ikai, S., Okado, H., Kawamura, K., Hagiwara, H. and Takaya, H. Improvement of catalyst stability of ZSM-5 type zeolite containing calcium by modification with CaCO₂ 209

Schulz-Ekloff, G.

--, Jaeger, N.I., Vladov, C. and Petrov, L. Effects of carrier gases in the toluene disproportionation on HZSM-5 zeolite 73

Seiyama, T., see Wang, L. 107 Sheu, F.-C., see Chang, J.-R. 39 Shopov, D., see Eliyas, A. 295 Simard, F., see Mahay, A. 55 Smeets, P.A.T., see Kip, B.J. 157 Smeets, P.A.T., see Kip, B.J. 181 Smith, J.M., see Biswas, J. 31 Smits, P.C.C.

--, Kuster, B.F.M., Van der Wiele, K. and Van der Baan, H.S.
Lead modified platinum on carbon catalysts for the selective oxidation of (2-) hydroxycarbonic acids, and especially polyhydroxycarbonic acids to their 2-keto derivatives 83

Snel, R.

Control of the porous structure of amorphous silica-alumina. 4. Nitrogen bases as pore-regulating agents 281

Stencel, J.M.

--, Diehl, J.R., Miller, S.R.,
Anderson, R.A., Zarochak, M.F.
and Pennline, H.W.
Iron/manganese oxide catalysts:
surface speciation and
slurry-phase Fischer-Tropsch
activity 129

Suzuki, K., see Sano, T. 209 Takaya, H., see Sano, T. 209 Thomas, H.J., see Blanco, M.N. 231 Tomsett, A.D.

--, Curry-Hyde, H.E., Wainwright, M.S., Young, D.J. and Bridgewater, A.J. Structural changes during the leaching of copper-based Raney catalysts 119

Trifiro, F., see Centi, G. 343 Van Bekkum, H., see Van Dam, H.E. 361

Van Bekkum, H., see Van Dam, H.E. 373

Van Dam, H.E.

--, Kieboom, A.P.G. and Van Bekkum,
H.
Pt/C oxidation catalysts. Part
1. Effect of carrier structure
on catalyst deactivation during
the oxidation of glucose
1-phosphate into glucuronic acid
1-phosphate 361

Van Dam, H.E.

--, Duijverman, P., Kieboom, A.P.G. and Van Bekkum, H. Pt/C oxidation catalysts. Part 2. Oxidation of glucose 1-phosphate into glucuronic acid 1-phosphate using diffusion stabilized catalysts 373

Van der Baan, H.S., see Smits, P.C.C. 83

Van der Wiele, K., see Smits, P.C.C.

Van Grondelle, J., see Kip, B.J. 157

Van Grondelle, J., see Kip, B.J. 181

Van Wolput, J.H.M.C., see Kip, B.J. 157

Vass, M.I., see Contescu, Cr. 259 Vink, J., see Zwart, J. 383 Vladov, C., see Schulz-Ekloff, G. 73

Vladov, Ch., see Eliyas, A. 295 Wainwright, M.S., see Tomsett, A.D. 119

Wang, L.

--, Eguchi, K., Arai, H. and
Seiyama, T.
Studies of the oxidative
esterification of ethanol over
oxide catalysts 107

Warburton, C.I., see Burch, R. 395 Weller, S.W., see Kim, J.J. 15 Wiele, K. van der, see Smits, P.C.C. 83

Wolput, J.H.M.C. van, see Kip, B.J. 157

Wu, J.-C., see Chang, J.-R. 39 Yoshimura, Y., see Furimsky, E. 97 Young, D.J., see Tomsett, A.D. 119 Zaidi, S.A.H.

Structure and activity of solid solutions of carbon formed by reaction of palladium catalysts with gaseous mixtures of propylene, oxygen and acetic acid 273

Zandbergen, H.W., see Kip, B.J. 157 Zarochak, M.F., see Stencel, J.M. 129

Zwart, J.

-- and Vink, J. Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

SUBJECT INDEX

Activation

Methanol synthesis catalysts from intermetallic precursors: binary lanthanide-copper catalysts 405

Adsorption

Preparation and characterization of vanadium oxide promoted rhodium catalysts 157

Adsorption

The effect of pH on the adsorption of palladium (II) complexes on alumina 259

Adsorption

Kinetics of isomerization of butenes over an industrial CoO-MoO₃/Al₂O₃ catalyst. II: Kinetic model construction 295

Ageing

Kinetics and optimization of the toluene disproportionation reaction over solid acid catalysts 39

Ageing

Lead modified platinum on carbon catalysts for the selective oxidation of (2-) hydroxycarbonic acids, and especially polyhydroxycarbonic acids to their 2-keto derivatives 83

Ageing

Improvement of catalyst stability of ZSM-5 type zeolite containing calcium by modification with CaCO₂ 209

Ageing

Structure and activity of solid solutions of carbon formed by reaction of palladium catalysts with gaseous mixtures of propylene, oxygen and acetic acid 273

Ageing

Methanol synthesis catalysts from intermetallic precursors: binary lanthanide-copper catalysts 405

Ammoxidation

Functionalization of alkanes by heterogeneous vapour-phase oxidation. II. Propane ammoxidation 343

Antimony

Studies of the oxidative esterification of ethanol over oxide catalysts 107

Batch adsorber

Evaluation of reforming catalyst diffusion properties using a batch adsorber 31

Boudouard reaction

Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Butene isomerization

Kinetics of isomerization of butenes over an industrial CoO-MoO₃/Al₂O₃ catalyst. II: Kinetic model construction 295

Carbon deposition

Structure and activity of solid solutions of carbon formed by reaction of palladium catalysts with gaseous mixtures of propylene, oxygen and acetic acid 273

Carbon monoxide adsorption
Preparation and characterization
of vanadium oxide promoted
rhodium catalysts 157

Carbon monoxide hydrogenation Iron-manganese oxide catalysts: surface speciation and slurry-phase Fischer-Tropsch activity 129

Carbon monoxide hydrogenation
Hydrogenation of carbon monoxide
over vanadium oxide-promoted
rhodium catalysts 181

Carbon monoxide hydrogenation Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

Catalyst characterization
Evolution of V₂0₅-Ti0₂
catalysts in the course of the catalytic reaction 1

Catalyst characterization
Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Catalyst characterization Structural changes during the leaching of copper-based Raney catalysts 119

Catalyst characterization
Iron-manganese oxide catalysts:
surface speciation and
slurry-phase Fischer-Tropsch
activity 129

Catalyst characterization
Preparation and characterization
of vanadium oxide promoted
rhodium catalysts 157

Catalyst characterization Improvement of catalyst stability of ZSM-5 type zeolite containing calcium by modification with

CaCO₃ 209
Catalyst characterization
Influence of the operative
conditions on the preparation of
pelleted Mo/Al₂O₃ catalysts
231

Catalyst characterization
Structure and activity of solid
reaction of palladium catalysts
with gaseous mixtures of
propylene, oxygen and acetic acid
273

Catalyst characterization
Synthesis of methyl mercaptan
from carbon oxides and H₂S with
tungsten-alumina catalysts 309

Catalyst characterization Functionalization of alkanes by heterogeneous vapour-phase oxidation. II. Propane ammoxidation 343

Catalyst characterization
Pt/C oxidation catalysts. Part 2.
Oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
using diffusion stabilized
catalysts 373

Catalyst characterization Pillared clays as demetallisation catalysts 395

Catalyst characterization
Methanol synthesis catalysts from
intermetallic precursors: binary
lanthanide-copper catalysts 405

Catalyst preparation
Structural changes during the
leaching of copper-based Raney
catalysts 119

Catalyst preparation
Iron-manganese oxide catalysts:
surface speciation and
slurry-phase Fischer-Tropsch
activity 129

Catalyst preparation
Preparation and characterization
of vanadium oxide promoted
rhodium catalysts 157

Catalyst preparation
Influence of the operative
conditions on the preparation of
pelleted Mo/Al₂0₃ catalysts
231

Catalyst preparation
The effect of pH on the
adsorption of palladium (II)
complexes on alumina 259

Catalyst preparation
Control of the porous structure
of amorphous silica-alumina. 4.
Nitrogen bases as pore-regulating
agents 281

Catalyst preparation
Preparation of cobalt-molybdenum
hydrotreating catalysts using
hydrogen peroxide stabilization
331

Catalyst preparation
Pt/C oxidation catalysts. Part 1.
Effect of carrier structure on
catalyst deactivation during the
oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
361

Catalyst preparation Pillared clays as demetallisation catalysts 395

Catalyst preparation
Methanol synthesis catalysts from
intermetallic precursors: binary
lanthanide-copper catalysts 405

Catalyst stability
Improvement of catalyst stability
of ZSM-5 type zeolite containing
calcium by modification with
CaCO₂ 209

CaCO₃ 209
Catalyst stability
Pt/C oxidation catalysts. Part 1.
Effect of carrier structure on catalyst deactivation during the oxidation of glucose 1-phosphate into glucuronic acid 1-phosphate 361

Cobalt-molybdenum/alumina
Kinetics of isomerization of
butenes over an industrial
CoO-MoO₃/Al₂O₃ catalyst.
II: Kinetic model construction
295

Cobalt-molybdenum/alumina
Preparation of cobalt-molybdenum
hydrotreating catalysts using
hydrogen peroxide stabilization
331

Coke formation
Oxidative dehydrogenation of
ethylbenzene over lanthanide
oxide-promoted catalysts 15

Coke formation
Kinetics and optimization of the toluene disproportionation reaction over solid acid catalysts 39

Coke formation
Effects of carrier gases in the toluene disproportionation on HZSM-5 zeolite 73

Coke formation
Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Coke formation
Iron-manganese oxide catalysts:
surface speciation and
slurry-phase Fischer-Tropsch
activity 129

Coke formation

Effect of composition of the feedstock on the catalytic cracking of heavy vacuum gas oil 145

Coke formation

Improvement of catalyst stability of ZSM-5 type zeolite containing calcium by modification with CaCO₃ 209 Computer simulation

Kinetics and optimization of the toluene disproportionation reaction over solid acid catalysts 39

Copper

Structural changes during the leaching of copper-based Raney catalysts 119

Cracking

Effect of composition of the feedstock on the catalytic cracking of heavy vacuum gas oil 145

Deactivation

Structure and activity of solid solutions of carbon formed by reaction of palladium catalysts with gaseous mixtures of propylene, oxygen and acetic acid 273

Dehydration

Structure and reactivity of titania-supported oxides. Part 3: Reaction of isopropanol over vanadia/titania catalysts 219

Dehydrogenation

Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Dehydrogenation

Structure and reactivity of titania-supported oxides. Part 3: Reaction of isopropanol over vanadia/titania catalysts 219

Demetallisation catalysts

Pillared clays as demetallisation catalysts 395

Deoxygenation

Deoxygenation of methanol with carbon monoxide over ZSM-5-supported Fe, Ru, Pd and Rh catalysts 55

Diffusion properties

Evaluation of reforming catalyst diffusion properties using a batch adsorber 31

Disproportionation

Kinetics and optimization of the toluene disproportionation reaction over solid acid catalysts 39

Disproportionation

Effects of carrier gases in the toluene disproportionation on HZSM-5 zeolite 73

Evaluation of reforming catalyst diffusion properties using a batch adsorber 31

Esterification

Studies of the oxidative esterification of ethanol over oxide catalysts 107

Ethanol esterification Studies of the oxidative esterification of ethanol over oxide catalysts 107

Ethylbenzene dehydrogenation Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Fischer-Tropsch synthesis Iron-manganese oxide catalysts: surface speciation and slurry-phase Fischer-Tropsch activity 129

Fischer-Tropsch synthesis Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

Fluid Catalytic Cracking Effect of composition of the feedstock on the catalytic cracking of heavy vacuum gas oil 145

Glucose 1-phosphate oxidation Pt/C oxidation catalysts. Part 1. Effect of carrier structure on catalyst deactivation during the oxidation of glucose 1-phosphate into glucuronic acid 1-phosphate 361

Glucose 1-phosphate oxidation Pt/C oxidation catalysts. Part 2. Oxidation of glucose 1-phosphate into glucuronic acid 1-phosphate using diffusion stabilized catalysts 373

Heavy vacuum gas oil cracking Effect of composition of the feedstock on the catalytic cracking of heavy vacuum gas oil 145

Hydrodesulphurization Influence of the operative conditions on the preparation of pelleted Mo/Al₂0₃ catalysts 231

Hydrogen adsorption Preparation and characterization of vanadium oxide promoted rhodium catalysts 157

Hydrogenation

Iron-manganese oxide catalysts: surface speciation and slurry-phase Fischer-Tropsch activity 129

Hydrogenation

Hydrogenation of carbon monoxide over vanadium oxide-promoted rhodium catalysts 181

Hydrogenation

Reduction of propionitrile to propional dehyde on supported palladium catalysts 245

Hydrogenation

Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

Hydrotreating catalysts
Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Hydrotreating catalysts
Preparation of cobalt-molybdenum
hydrotreating catalysts using
hydrogen peroxide stabilization
331

Hydroxycarbonic acid oxidation
Lead modified platinum on carbon
catalysts for the selective
oxidation of (2-) hydroxycarbonic
acids, and especially
polyhydroxycarbonic acids to
their 2-keto derivatives 83

Iron antimonate

Functionalization of alkanes by heterogeneous vapour-phase oxidation. II. Propane ammoxidation 343

Iron-manganese oxide

Iron-manganese oxide catalysts: surface speciation and slurry-phase Fischer-Tropsch activity 129

Iron/pillared clay

Pillared clays as demetallisation catalysts 395

Iron/zeolite Y

Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

Isomerization

Kinetics of isomerization of butenes over an industrial CoO-MoO₃/Al₂O₃ catalyst. II: Kinetic model construction 295

Isopropanol decomposition
Structure and reactivity of
titania-supported oxides. Part 3:
Reaction of isopropanol over
vanadia/titania catalysts 219

Kinetics

Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Kinetics

Kinetics and optimization of the toluene disproportionation reaction over solid acid catalysts 39

Kinetics

Effects of carrier gases in the toluene disproportionation on HZSM-5 zeolite 73

Kinetics

Lead modified platinum on carbon catalysts for the selective oxidation of (2-) hydroxycarbonic acids, and especially polyhydroxycarbonic acids to their 2-keto derivatives 83

Kinetics

Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Kinetics

Structure and reactivity of titania-supported oxides. Part 3: Reaction of isopropanol over vanadia/titania catalysts 219

Kinetics

Kinetics of isomerization of butenes over an industrial CoO-MoO₃/Al₂O₃ catalyst. II: Kinetic model construction 295

Kinetics

Synthesis of methyl mercaptan from carbon oxides and H₂S with tungsten-alumina catalysts 309

Kinetics

Pt/C oxidation catalysts. Part 2. Oxidation of glucose 1-phosphate into glucuronic acid 1-phosphate using diffusion stabilized catalysts 373

Kinetics

Pillared clays as demetallisation catalysts 395

Lanthanide oxides

Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Lanthanide-copper

Methanol synthesis catalysts from intermetallic precursors: binary lanthanide-copper catalysts 405

Methanol conversion

Improvement of catalyst stability of ZSM-5 type zeolite containing calcium by modification with

CaCO₃ 209 Methanol deoxygenation

Deoxygenation of methanol with carbon monoxide over

ZSM-5-supported Fe, Ru, Pd and Rh catalysts 55

Methanol synthesis

Methanol synthesis catalysts from intermetallic precursors: binary lanthanide-copper catalysts 405

Methyl-mercaptan synthesis Synthesis of methyl mercaptan from carbon oxides and H₂S with tungsten-alumina catalysts 309

Molybdena/alumina
Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Molybdenum
Studies of the oxidative
esterification of ethanol over
oxide catalysts 107

Molybdenum/alumina
Influence of the operative
conditions on the preparation of
pelleted Mo/Al₂0₃ catalysts
231

Molybdenum/alumina
Preparation of cobalt-molybdenum
hydrotreating catalysts using
hydrogen peroxide stabilization
331

Nitrogen bases
Control of the porous structure
of amorphous silica-alumina. 4.
Nitrogen bases as pore-regulating
agents 281

Oxidation

Lead modified platinum on carbon catalysts for the selective oxidation of (2-) hydroxycarbonic acids, and especially polyhydroxycarbonic acids to their 2-keto derivatives 83

Oxidation
Pt/C oxidation catalysts. Part 1.
Effect of carrier structure on
catalyst deactivation during the
oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
361

Oxidation
Pt/C oxidation catalysts. Part 2.
Oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
using diffusion stabilized
catalysts 373

Palladium
Reduction of propionitrile to propional dehyde on supported palladium catalysts 245

Palladium
Structure and activity of solid
solutions of carbon formed by
reaction of palladium catalysts
with gaseous mixtures of
propylene, oxygen and acetic acid
273

Palladium/alumina
The effect of pH on the
adsorption of palladium (II)
complexes on alumina 259

Pillared clays
Pillared clays as demetallisation
catalysts 395

Platinum/carbon
Lead modified platinum on carbon
catalysts for the selective
oxidation of (2-) hydroxycarbonic
acids, and especially
polyhydroxycarbonic acids to
their 2-keto derivatives 83

Platinum/carbon
Pt/C oxidation catalysts. Part 1.
Effect of carrier structure on
catalyst deactivation during the
oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
361

Platinum/carbon
Pt/C oxidation catalysts. Part 2.
Oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
using diffusion stabilized
catalysts 373

Poisoning
Pt/C oxidation catalysts. Part 1.
Effect of carrier structure on
catalyst deactivation during the
oxidation of glucose 1-phosphate
into glucuronic acid 1-phosphate
361

Poisoning Methanol synthesis catalysts from intermetallic precursors: binary lanthanide-copper catalysts 405

Pore size
Evaluation of reforming catalyst
diffusion properties using a
batch adsorber 31

Pore-regulating agents
Control of the porous structure
of amorphous silica-alumina. 4.
Nitrogen bases as pore-regulating
agents 281

Porosity
Control of the porous structure
of amorphous silica-alumina. 4.
Nitrogen bases as pore-regulating
agents 281

Propane ammoxidation
Functionalization of alkanes by
heterogeneous vapour-phase
oxidation. II. Propane
ammoxidation 343

Propionitrile reduction Reduction of propionitrile to propionaldehyde on supported palladium catalysts 245

Raney copper Structural changes during the leaching of copper-based Raney catalysts 119 Reforming catalyst

Evaluation of reforming catalyst diffusion properties using a batch adsorber 31

Regeneration

Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Regeneration

Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Rhodium/alumina

Preparation and characterization of vanadium oxide promoted rhodium catalysts 157

Rhodium/alumina

Hydrogenation of carbon monoxide over vanadium oxide-promoted rhodium catalysts 181

Rhodium/silica

Preparation and characterization of vanadium oxide promoted rhodium catalysts 157

Rhodium/silica

Hydrogenation of carbon monoxide over vanadium oxide-promoted rhodium catalysts 181

Selectivity

Evolution of V_2O_5 -TiO₂ catalysts in the course of the catalytic reaction 1

Selectivity

Oxidative dehydrogenation of ethylbenzene over lanthanide oxide-promoted catalysts 15

Selectivity

Deoxygenation of methanol with carbon monoxide over ZSM-5-supported Fe, Ru, Pd and Rh catalysts 55

Selectivity

Lead modified platinum on carbon catalysts for the selective oxidation of (2-) hydroxycarbonic acids, and especially polyhydroxycarbonic acids to their 2-keto derivatives 83

Selectivity

Studies of the oxidative esterification of ethanol over oxide catalysts 107

Selectivity

Iron-manganese oxide catalysts: surface speciation and slurry-phase Fischer-Tropsch activity 129

Selectivity

Effect of composition of the feedstock on the catalytic cracking of heavy vacuum gas oil Selectivity

Hydrogenation of carbon monoxide over vanadium oxide-promoted rhodium catalysts 181

Selectivity

Structure and reactivity of titania-supported oxides. Part 3: Reaction of isopropanol over vanadia/titania catalysts 219

Selectivity

Kinetics of isomerization of butenes over an industrial CoO-MoO₃/Al₂O₃ catalyst. II: Kinetic model construction 295

Selectivity

Synthesis of methyl mercaptan from carbon oxides and HoS with tungsten-alumina catalysts 309

Selectivity

Functionalization of alkanes by heterogeneous vapour-phase oxidation. II. Propane ammoxidation 343

Selectivity

Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

Silica-alumina

Control of the porous structure of amorphous silica-alumina. 4. Nitrogen bases as pore-regulating agents 281

Sintering

Use of Boudouard reaction for regeneration of hydrotreating catalysts 97

Syngas conversion

Deoxygenation of methanol with carbon monoxide over ZSM-5-supported Fe, Ru, Pd and Rh catalysts 55

Temperature programmed reduction Preparation and characterization of vanadium oxide promoted rhodium catalysts 157

Thiophene hydrodesulphurization Influence of the operative conditions on the preparation of pelleted Mo/Al₂0₃ catalysts 231

Toluene disproportionation Kinetics and optimization of the toluene disproportionation reaction over solid acid catalysts 39

Toluene disproportionation Effects of carrier gases in the toluene disproportionation on HZSM-5 zeolite

Tungsten/alumina

Synthesis of methyl mercaptan

from carbon oxides and H₂S with tungsten-alumina catalysts 309

Vanadia/titania
Evolution of V₂0₅-Ti0₂
catalysts in the course of the catalytic reaction 1

Vanadia/titania

Structure and reactivity of titania-supported oxides. Part 3: Reaction of isopropanol over vanadia/titania catalysts 219

Vanadium antimonate
Functionalization of alkanes by
heterogeneous vapour-phase
oxidation. II. Propane
ammoxidation 343

Vanadium oxide
Preparation and characterization
of vanadium oxide promoted
rhodium catalysts 157

Vanadium oxide
Hydrogenation of carbon monoxide
over vanadium oxide-promoted
rhodium catalysts 181

Vanadyl pyrophosphate
Functionalization of alkanes by
heterogeneous vapour-phase
oxidation. II. Propane
ammoxidation 343

 $\begin{array}{c} \text{Xylene oxidation} \\ \text{Evolution of V}_2\text{O}_5\text{-TiO}_2 \end{array}$

catalysts in the course of the catalytic reaction 1

Zeolites
Kinetics and optimization of the toluene disproportionation

reaction over solid acid catalysts 39

Zeolites

Deoxygenation of methanol with carbon monoxide over ZSM-5-supported Fe, Ru, Pd and Rh catalysts 55

Zeolites

Effects of carrier gases in the toluene disproportionation on HZSM-5 zeolite 73

Zeolites

Effect of composition of the feedstock on the catalytic cracking of heavy vacuum gas oil 145

Zeolites

Improvement of catalyst stability of ZSM-5 type zeolite containing calcium by modification with ${\rm CaCO}_2$ 209

Zeolites

Fischer-Tropsch synthesis using zeolite-supported iron catalysts derived from iron carbonyl complexes 383

